

MIL-DTL-31000C

TDP OPTION SELECTION WORKSHEET PRODUCT SOLID MODELS			
A. CONTRACT NO. <div style="text-align: center;">TBD</div>	B. EXHIBIT/ATTACHMENT NO. <div style="text-align: center;">A</div>	C. CLIN	D. CDRL DATA ITEM NO. <div style="text-align: center;">AXXX</div>
1. DELIVERABLE PRODUCT (<i>X and complete as applicable.</i>)			
<input checked="" type="checkbox"/>	a. 3-DIMENSIONAL SOLID MODELS (Specify format(s) (Native CAD, STEP, AP, IGES, etc.)) Pro/Engineer Wildfire 3.0 or in a later version		
<input checked="" type="checkbox"/>	b. 3-D SOLID MODELS ASSOCIATED DRAWINGS (If 2-D drawings based on 3-D solid models are required, indicate here and fill out TDP OPTION SELECTION WORKSHEET – PRODUCT DRAWINGS AND ASSOCIATED LIST) Detail part and assembly drawings required with each native 3-D CAD solid model (part and assembly). All 3-D CAD solid models shall have bi-directional data associativity to digital 2-D CAD. 2D drawings in DXF & PDF formats shall also be generated.		
2. CAGE CODE AND DOCUMENT NUMBERS (<i>X ONE</i>)			
<input checked="" type="checkbox"/>	a. CONTRACTOR <i>"FOR ASSERTED COMMERCIAL ITEM DATA"</i>		
<input checked="" type="checkbox"/>	b. GOVERNMENT Complete (1) and (2) or (3) <i>"FOR DESIGNATED NON-COMMERCIAL ITEM DATA AND SOURCE CONTROL DOCUMENTS"</i>		
(1) Use CAGE Code <div style="text-align: center;">19207</div>	(2) Use Document Numbers <div style="text-align: center;">TBD</div>	(3) To Be Assigned By: Obtain new drawing/associated document numbers from the TACOM Configuration Data Management representative, unless otherwise directed.	
3. 3-D SOLID MODEL REQUIREMENTS (<i>X one and complete as applicable</i>)			
<input type="checkbox"/>	a. CONTRACTOR FORMATS. Models built to contractor requirements.		
<input checked="" type="checkbox"/>	b. GOVERNMENT FORMATS. 3-D solid models built to Government requirements and formats. (Specify Government modeling applicable specifications or SOW paragraphs.)		
4. APPLICABILITY OF STANDARDS. (<i>Apply an X as applicable</i>)			
<input checked="" type="checkbox"/>	a. ASME Y14.41, Digital Product Definition Data Practices SEE BLOCK 4a	b. Existing Standards Do Not Apply	
5. OTHER TAILORING (<i>Attach additional sheets as necessary</i>)			
<p>BLK 1b: Two-dimensional (2D) CAD drawings must be fully associative to its 3D CAD computer generated drawing solid model master such that any changes made to the master 3D model will be automatically reflected on its respective 2D CAD drawing.</p> <p>BLK 2b: A block of TACOM part numbers will be provided to contractor by the COR at the Start of Work Meeting.</p> <p>BLK 4a – Standards and Practices. ASME Y14.41, Y14.100, Y14.24, Y14.34, Y14.35, Y14.5, and Y14.1 are required as a composite set for model based definition (MBD) solid model generation and are applicable in preparation and delivery to Government. Digital documents required to support the 3-D MBD product data sets (ASME Y14.41, Section 3) is acceptable. This requirement applies only when Contractor's engineering process develops computer generated parts lists, materials, processes, finishes, notes, analytic data, and test requirements, etc. external from Contractor's CAD software system in the assembly of MBD product definition data sets.</p>			